

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 7,085,483  
 Issued: August 1, 2006  
 Name of Patentee: Tetsuo Terashima, et al.  
 Title of Invention: HEAT ACCUMULATING METHOD AND DEVICE

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT**  
**FOR PTO MISTAKE (37 C.F.R. § 1.322(a))**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Attention: Certificate of Correction Branch

1. Attached in duplicate is Form PTO-1050 with at least one copy being suitable for printing.
2. Correction of the Official Letters Patent is respectfully requested in view of the following text which appears correctly in the application file:

At Column 29, line 26, "or" should read -- of --, as indicated in claim 3, line 6, of the Amendment filed March 29, 2005.

At Column 32, line 19, "t" should read -- to --, as indicated in claim 16, line 6, of the Amendment filed March 29, 2005.

3. Please send the Certificate to:

Name: Lawrence E. Ashery  
 P.O. Box 980  
 Valley Forge, PA 19482  
 (610) 407-0700

**Certificate**

NOV 1 2006

**of Correction**

NOV 1 - 2006

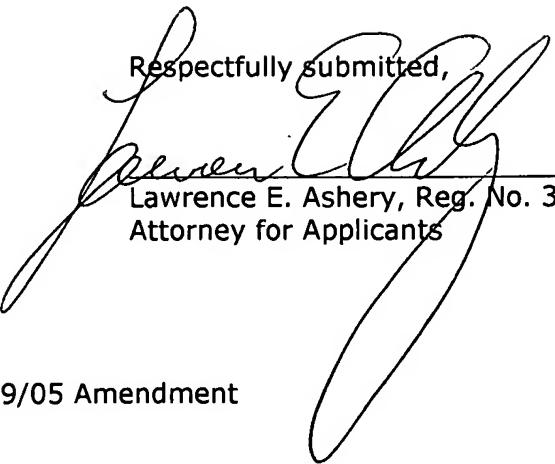
Name of Assignee: Matsushita Electric Industrial Co., Ltd.

Assignment Recorded on: April 21, 2004

Reel: 015253

Frame: 0152

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/dmw

Enclosures: PTO-1050  
Copy/Pages 2 & 6 of 03/29/05 Amendment

Dated: October 25, 2006

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The Commissioner for Patents is hereby authorized  
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\_\_\_\_\_  
Donna M. Wellings

67965

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO: **7,085,483**

Page 1 of 1

APPLICATION NO.: **10/828,713**

DATED: **August 1, 2006**

INVENTOR(S): **Tetsuo Terashima, et al.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Column 29**

Line 26, "or" should read -- of --.

**Column 32**

Line 19, "t" should read -- to --.

Mailing Address of Sender:

RatnerPrestia  
P.O. Box 980  
Valley Forge, PA 19482  
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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO: **7,085,483**

Page 1 of 1

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Application No.: 10/828,713  
Amendment Dated: March 29, 2005  
Reply to Office Action of: January 10, 2005

MTS-3517US

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-2: Canceled

3. (Currently Amended) A thermal storage method wherein, where thermal storage temperature is T, variation in enthalpy in a chemical reaction is  $\Delta H$ , variation in entropy is  $\Delta S$ , and variation in free energy is  $\Delta G$ , a thermal storage material satisfying a relationship of

$$T\Delta S \geq \Delta G$$

is used under a condition of 

$$\Delta H > 0$$

so as to promote a reaction that changes said thermal storage material into a thermal storage material in an energy storing state by adding supplemental energy when changing said thermal storage material into said thermal storage material in the energy storing state by decomposing or separating said thermal storage material; and

~~The thermal storage method according to claim 1, wherein said supplemental energy is light, and to promote the reaction for changing that changes said thermal storage material into said thermal storage material in the energy storing state by adding the supplemental energy is to promote the reaction for changing said thermal storage material into said thermal storage material in the energy storing state by a photocatalytic reaction.~~

4. (Currently Amended) The thermal storage method according to claim-2\_3, wherein said thermal storage material and said thermal storage material in the energy storing state include a substance condensable or a substance storable by absorption and convertible to an ion-conducting substance.

NOV - 2 2006

Application No.: 10/828,713  
Amendment Dated: March 29, 2005  
Reply to Office Action of: January 10, 2005

MTS-3517US

exothermic reaction portion and (2) to the electric terminals for taking out electricity when coupling said thermal storage material in the energy storing state in said exothermic reaction portion respectively.

14. (Currently Amended) The thermal storage apparatus according to claim 12, further comprising an electricity storage means, connected to said electric terminals, ~~of~~ for storing electricity generated on said electric terminals, and

said electricity storage means supplies the electricity to said thermal storage reaction portion via said supplemental energy supply portion so as to promote decomposition or separation of said thermal storage material.

15. (Currently Amended) The thermal storage apparatus according to claim 14, further comprising a thermal storage reaction portion heating means ~~of~~ for heating said thermal storage reaction portion by having the electricity supplied from said electricity storage means on decomposing or separating said thermal storage material.

16. (Currently Amended) The thermal storage apparatus according to claim 12, further comprising an electric heat conversion means connected to said electric terminals and placed to thermally contact said heated fluid passage, and

wherein said electric heat conversion means converts the electricity generated on generating coupling of said thermal storage material in the energy storing state into heat so as to heat said heated fluid passage.

17. (Currently Amended) The thermal storage apparatus according to claim 12, further comprising an electric heat conversion means connected to said electric terminals and placed to thermally contact said energy storing thermal storage material storage portion, and

wherein said electric heat conversion means converts the electricity generated on generating coupling of said thermal storage material in the energy storing state into heat so as to heat said energy storing thermal storage material storage portion.

18. (Original) A heat source system, further comprising the thermal storage apparatus according to claim 16 or 17,

NOV - 2 2006

**TRANSMITTAL  
FORM**

*(to be used for all correspondence after initial filing)*

Total Number of Pages in This Submission 7

Patent Number	7,085,483
Issue Date	August 1, 2006
First Named Inventor	Tetsuo Terashima, et al.
Art Unit	3742
Examiner Name	Thor S. Campbell
Attorney Docket No.	MTS-3517US

**ENCLOSURES (Check all that apply)**

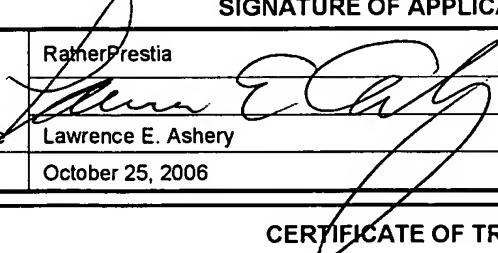
- Fee Transmittal Form
  - Fee Attached
- Amendment/Reply
  - After Final
  - Affidavits/Declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts/  
Incomplete Application
  - Response to Missing Parts  
under 37 CFR 1.52 or 1.53

- Drawing(s)
- Licensing-related Papers
- Petition
- Petition to Convert to a Provisional Application
- Power of Attorney, Revocation, Change of Correspondence Address
- Terminal Disclaimer
- Request for Refund
- CD, Number of CD(s) \_\_\_\_\_
  - Landscape Table on CD

- After Allowance Communication to TC
- Appeal Communication to Board of Appeals and Interferences
- Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- Proprietary Information
- Status Letter
- Other Enclosure(s) (please identify below): Request for Certificate of Correction; PTO-1050; Copy/Pages 2 and 6 of Amendment; Return Receipt Postcard

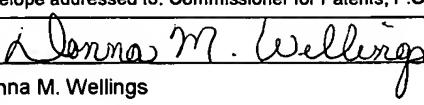
**Remarks:**

**SIGNATURE OF APPLICANT, ATTORNEY OR AGENT**

Firm Name	RatherPrestia		
Signature			
Printed Name	Lawrence E. Ashery		
Date	October 25, 2006	Registration No.	34,515

**CERTIFICATE OF TRANSMISSION / MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or Printed Name	Donna M. Wellings	Date	October 25, 2006

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